

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Maertens et al.

Serial No. 09/899,303

Filed: July 6, 2001

For: PURIFIED HEPATITIS C VIRUS ENVELOPE PROTEINS FOR DIAGNOSTIC AND
THERAPEUTIC USE

Atty. Ref.: 2551-109

Group: 1648

Examiner: Li, Bao Q.

* * * * *

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

DECLARATION

I, Franky TERRAS, do hereby declare and state as follows.

1. I am patent counsel for Innogenetics, the assignee of the above-identified application.
2. I hold a degree in engineering and Ph.D. in applied biological sciences, both of which were earned from Catholic University of Leuven, Belgium in 1990 and 1994, respectively. My Ph.D. work focused on the field of plant molecular biology, and in particular in the field of plant-fungus interactions, more in particular in the field of the isolation and characterization of antifungal proteins and their genes from plants. I have been patent counsel for Innogenetics for approximately 3½ years.
3. I have reviewed the above-identified application as well as the claims and the Office Action dated June 30, 2004. I have reviewed the Watanabe patent (U.S. Patent

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No. 5,610,009) cited in the Office Action. I have been advised that the U.S. Examiner believes that amino acids 260-296 of HCV E1 contains a glycosylation site.

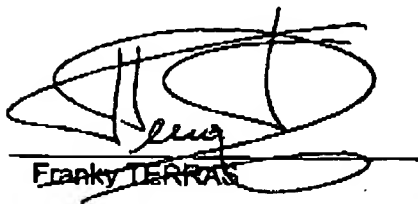
4. It is my belief, based on the following and the attached, that one of ordinary skill in the art would not believe that amino acids 260-296 of HCV E1 contains a glycosylation site.

5. Specifically, I have prepared, or had prepared at my direction, the attached seven (7) page alignment of known E1 sequences. The alignment highlights Asn (N) residues shaded in black as well as N-glycosylation sites (i.e., NX(S/T), wherein X is not Pro (P)) shaded in black. The reference sequence repeated on top of each page of the alignment is the HCV-1 sequence. Other sequences are defined at the left of each sequence by GenBank Accession number. The region of amino acids 260-296 has been indicated on each end by vertical lines running the width of the landscape printed pages of the alignment. The attached demonstrates that one of ordinary skill in the art will appreciate that the region of amino acids 260-296 of HCV E1 does not contain a glycosylation site, as defined by those of ordinary skill in the art and in the present specification.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Further, declarant sayeth not.



Franky TERRAS

October 29, 2004
Date

197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400																																												
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PAGE 19/20 * RCVD AT 10/27/2004 3:05:57 PM [Eastern Daylight Time] * SVR:USPTO-EFXXRF-1/6 * DNS:8729306 * CSID:703 816 4100 * DURATION (mm-ss):10-46

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